

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:
Cleco, Brame Energy Center, Rodemacher II (DFGD, 0.1 lb/MMBtu)
BRETON WILDERNESS AREA CALPOST 2003
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2003 !
 Month (ISMO) -- No default ! ISMO = 1 !
 Day (ISDY) -- No default ! ISDY = 1 !
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !
 Minute (ISMIN) -- No default ! ISMIN = 0 !
 Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2003 !
 Month (IEMO) -- No default ! IEMO = 12 !
 Day (IEDY) -- No default ! IEDY = 31 !
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !
 Minute (IEMIN) -- No default ! IEMIN = 0 !
 Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation
(BTZONE) -- No default ! BTZONE = 6.0 !

Process every period of data?
(NREP) -- Default: 1 ! NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO₂ when ASPEC=NO₂ (above) or LVNO₂=T (Group 2) may be from CALPUFF NO₂ concentrations OR from a fraction of CALPUFF NO_x concentrations. Specify the fraction of NO_x that is treated as NO₂ either as a constant or as a table of fractions that depend on the magnitude of the NO_x concentration:

(NO₂CALC) -- Default: 1 ! NO₂CALC = 1 !
0 = Use NO₂ directly (NO₂ must be in file)
1 = Specify a single NO₂/NO_x ratio (RNO₂NO_x)
2 = Specify a table NO₂/NO_x ratios (TNO₂NO_x)
(NOTE: Scaling Factors must NOT be used with NO₂CALC=2)

Single NO₂/NO_x ratio (0.0 to 1.0) for treating some or all NO_x as NO₂, where [NO₂] = [NO_x] * RNO₂NO_x
(used only if NO₂CALC = 1)
(RNO₂NO_x) -- Default: 1.0 ! RNO₂NO_x = 1.0 !

Table of NO₂/NO_x ratios that vary with NO_x concentration. Provide 14 NO_x concentrations (ug/m³) and the corresponding NO₂/NO_x ratio, with NO_x increasing in magnitude. The ratio used for a particular NO_x concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO_x concentration (the first) is used for all NO_x concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO_x concentration (the last) is used for all NO_x concentrations greater than the largest tabulated value.
(used only if NO₂CALC = 2)

NO_x concentration(ug / m³)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO₂/NO_x ratio for each NO_x concentration:
(TNO₂NO_x) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source
contributions at a SINGLE receptor
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !
Discrete receptors processed? (LD) -- Default: F ! LD = T !
CTSG Complex terrain receptors processed?
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each
0 = discrete receptor not processed
1 = discrete receptor processed

using repeated value notation to select blocks of receptors:
23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80*0, 40*1!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process

(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:

23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = BRET !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file
COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:
PM COARSE (EEMC) -- Default: 0.6 ! EEMC = 0.6 !
PM FINE (EEMF) -- Default: 1.0 ! EEMF = 1 !
BACKGROUND particulate species:
PM COARSE (EEMCBK) -- Default: 0.6 ! EEMCBK = 0.6 !
Other species:
AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !
AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !
ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !
SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !
ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !
NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)
AMMONIUM SULFATE (EESO4L) Set Internally (large)
AMMONIUM NITRATE (EENO3S) Set Internally (small)
AMMONIUM NITRATE (EENO3L) Set Internally (large)
ORGANIC CARBON (EEOCS) Set Internally (small)
ORGANIC CARBON (EEOCL) Set Internally (large)
SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:
Hourly ratio of source light extinction / background light extinction
is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction
(MVISBK) -- Default: 8 ! MVISBK = 8 !
FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
 - Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
 - FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
 - Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at F(RHMAX)
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.
 - These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

 Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFRAC) -- No default ! RHFRAC = 10 !

Additional inputs used for MVISBK = 6,8:

 Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.5, 3.3, 3.3, 3.3,
3.4, 3.6, 3.8, 3.8,
3.6, 3.4, 3.4, 3.5 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.01, 3.01, 3.01, 3.01,
3.01, 3.01, 3.01, 3.01,
3.01, 3.01, 3.01, 3.01 !

(BKOC) -- No default ! BKOC = 1.78, 1.78, 1.78, 1.78,
1.78, 1.78, 1.78, 1.78,
1.78, 1.78, 1.78, 1.78 !

(BKSOIL) -- No default ! BKSOIL = 0.48, 0.48, 0.48, 0.48,
0.48, 0.48, 0.48, 0.48,
0.48, 0.48, 0.48, 0.48 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.19, 0.19, 0.19, 0.19,
0.19, 0.19, 0.19, 0.19,
0.19, 0.19, 0.19, 0.19 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 4.08, 3.82, 3.79, 3.74,
3.94, 4.12, 4.41, 4.37,
4.18, 3.92, 3.93, 4.06 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.91, 2.76, 2.74, 2.72,
2.83, 2.94, 3.10, 3.07,
2.97, 2.82, 2.83, 2.90 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 4.10, 3.89, 3.87, 3.85,
4.02, 4.21, 4.44, 4.38,

4.23, 3.99, 4.01, 4.11 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.
Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

- 2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

- 3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

- 4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0

! IECHO = 366*0 !

(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1953 2052

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CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2003
 month: 1
 day: 1
 Julian day: 0
Time at start of run - hour(0-23): 0
 - minute: 0
 - second: 0

Run ending date -- year: 2003
month: 12
day: 31
Julian day: 0
Time at end of run - hour(0-23): 0
- minute: 0
- second: 0

Base time zone (Group 1): 6.0

Every period of data processed -- NREP = 1

Species & Concentration/Deposition Information

Species: VISIB
Layer of processed data: 1
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
Multiplicative scaling factor: 0.0000E+00
Additive scaling factor: 0.0000E+00
Hourly background values used?: F

SAMPLER option

Processing method: 0
0= SAMPLER option not used
1= Report total modeled impact (list file)
2= TRACEBACK mode (DAT files)
3= TRACEBACK mode with sampling factor (DAT files)

Source information

Source contribution processing: 0
0= No source contributions
1= Contributions are summed
2= TRACEBACK mode for 1 receptor
3= Reported TOTAL is processed

Receptor information

Gridded receptors processed?: F
Discrete receptors processed?: T
CTSG Complex terrain receptors processed?: F

Discrete Receptors Processed

000
000
111

Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: BRET

Extinction Computation includes:

SULFATES

NITRATES

NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON

ELEMENTAL CARBON

COARSE PARTICLES

FINE PARTICLES

BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000

ammonium sulfate L: 4.8000

ammonium nitrate S: 2.4000

ammonium nitrate L: 5.1000

organic carbon S: 2.8000

organic carbon L: 6.1000

sea salt: 1.7000

NO2 gas: 0.1755

soil: 1.0000

elemental carbon: 10.0000

MODELED coarse PM: 0.6000

MODELED fine PM: 1.0000

BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .4080E+01

2 .3820E+01

3 .3790E+01

4 .3740E+01

5 .3940E+01

6 .4120E+01

7 .4410E+01

8 .4370E+01

9 .4180E+01

10 .3920E+01

11 .3930E+01

12 .4060E+01

Monthly RH factor for large particles:

1 .2910E+01

2 .2760E+01

3 .2740E+01

4 .2720E+01
 5 .2830E+01
 6 .2940E+01
 7 .3100E+01
 8 .3070E+01
 9 .2970E+01
 10 .2820E+01
 11 .2830E+01
 12 .2900E+01

Monthly RH factor for sea salt:

1 .4100E+01
 2 .3890E+01
 3 .3870E+01
 4 .3850E+01
 5 .4020E+01
 6 .4210E+01
 7 .4440E+01
 8 .4380E+01
 9 .4230E+01
 10 .3990E+01
 11 .4010E+01
 12 .4110E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
2	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
3	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
4	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
5	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
6	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
7	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
8	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
9	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
10	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
11	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
12	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T
User-specified averages: F
Length of run averages: F

Output components selected

Top-50: F
Top-N values at each receptor: F
Exceedance counts at each receptor: F
Output selected information for debugging: F
Echo tables for selected days: F
Time-series for selected days: F
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

Cleco, Brame Energy Center, Rodemacher II (DFGD, 0.1 lb/MMBtu)
ALM-step1
Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

EESOIL,EEEC,EENO2 = 1.0000000 10.0000000 0.175500005
navg,ntop = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR = F F T
LNAVG, LRUNL = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPEAK = F F F
THRESH1 = -1.00000000
THRESH3 = -1.00000000
THRESH24 = -1.00000000
THRESHN = -1.00000000
LPLT, LGRD = F F
MDVIS = 1
LDEBUG = F
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8.4 130731
msyr,mjsday = 2002 365
mshr,mssec = 23 0
nsecdt (period) = 3600
xbtz = 6.00000000
mnper,nszout,mavgpd = 8740 9 1
xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0
ielmet,jelmet = 462 376
delx,dely,nz = 4.00000000 4.00000000 1
iastar,iastop,jastar,jastop = 288 451 117 274
isastr,isastp,jsastr,jsastp = 1 462 1 376
(computed) ngx,ngy = 462 376
meshdn,npts,nareas = 1 1 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000
2 271.090393 -617.494019 365.000000
3 271.854797 -617.469116 368.000000
4 268.767273 -616.646362 411.000000
5 269.531677 -616.621704 462.000000
6 270.295959 -616.597046 431.000000
7 271.060364 -616.572144 518.000000
8 271.824768 -616.547241 487.000000
9 272.589050 -616.522339 396.000000
10 265.680481 -615.822632 518.000000
11 266.444763 -615.798218 523.000000
12 267.209045 -615.773682 548.000000
13 267.973328 -615.749146 579.000000
14 268.737610 -615.724487 547.000000
15 269.501892 -615.699829 538.000000
16 270.266174 -615.675049 640.000000
17 271.030334 -615.650269 608.000000
18 260.301697 -615.069458 335.000000
19 261.065857 -615.045532 431.000000
20 261.830139 -615.021606 457.000000
21 262.594299 -614.997559 414.000000

22 263.358459 -614.973511 426.000000
23 264.122742 -614.949341 426.000000
24 264.886902 -614.924927 388.000000
25 265.651062 -614.900635 388.000000
26 266.415344 -614.876343 365.000000
27 267.179504 -614.851807 386.000000
28 267.943665 -614.827271 396.000000
29 268.707825 -614.802612 426.000000
30 269.471985 -614.777954 446.000000
31 270.236267 -614.753174 441.000000
32 271.000427 -614.728394 457.000000
33 271.764587 -614.703491 465.000000
34 272.528748 -614.678589 442.000000
35 273.293030 -614.653442 426.000000
36 260.272888 -614.147583 304.000000
37 261.036926 -614.123657 304.000000
38 261.801086 -614.099731 319.000000
39 262.565247 -614.075684 334.000000
40 263.329407 -614.051636 370.000000
41 264.093567 -614.027344 405.000000
42 264.857605 -614.003052 409.000000
43 265.621765 -613.978760 450.000000
44 266.385803 -613.954346 518.000000
45 267.149963 -613.929932 609.000000
46 267.914124 -613.905396 534.000000
47 268.678162 -613.880737 517.000000
48 269.442200 -613.856079 575.000000
49 270.206360 -613.831299 600.000000
50 270.970520 -613.806519 609.000000
51 271.734558 -613.781616 609.000000
52 272.498596 -613.756714 561.000000
53 261.008118 -613.201782 335.000000
54 261.772156 -613.177856 432.000000
55 262.536194 -613.153809 487.000000
56 263.300232 -613.129639 499.000000
57 264.064270 -613.105469 514.000000
58 264.828308 -613.081177 442.000000
59 265.592346 -613.056885 439.000000
60 266.356384 -613.032471 395.000000
61 267.120422 -613.007935 400.000000
62 267.884460 -612.983521 426.000000
63 268.648499 -612.958862 487.000000
64 269.412415 -612.934204 548.000000
65 270.176453 -612.909424 548.000000
66 270.940491 -612.884644 548.000000
67 271.704529 -612.859741 535.000000
68 261.743225 -612.255981 304.000000
69 262.507141 -612.231812 334.000000
70 263.271179 -612.207764 396.000000
71 264.035095 -612.183594 457.000000
72 264.799011 -612.159302 457.000000
73 265.563049 -612.135010 426.000000
74 266.326965 -612.110596 411.000000
75 267.090881 -612.086182 406.000000
76 267.854797 -612.061646 396.000000
77 268.618713 -612.036987 401.000000

78 269.382629 -612.012329 397.000000
79 261.714294 -611.334106 322.000000
80 262.478088 -611.309937 334.000000
81 777.710144 -1118.01306 0.00000000E+00
82 779.970764 -1115.93896 0.00000000E+00
83 780.696716 -1114.93750 0.00000000E+00
84 781.422424 -1113.93604 0.00000000E+00
85 785.606995 -1106.06689 0.00000000E+00
86 789.226868 -1101.05811 0.00000000E+00
87 789.783264 -1098.19727 0.00000000E+00
88 791.229431 -1096.19348 1.00000000
89 791.145813 -1095.26416 1.00000000
90 791.784729 -1093.33289 1.00000000
91 791.700989 -1092.40356 1.00000000
92 792.339539 -1090.47253 1.00000000
93 792.255920 -1089.54321 1.00000000
94 792.172058 -1088.61401 1.00000000
95 792.088196 -1087.68494 1.00000000
96 792.004456 -1086.75574 0.00000000E+00
97 791.920715 -1085.82666 0.00000000E+00
98 791.753235 -1083.96826 0.00000000E+00
99 792.558533 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585754 -1082.11023 0.00000000E+00
102 792.390930 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307068 -1081.10864 1.00000000
105 791.418152 -1080.25220 1.00000000
106 791.334412 -1079.32324 1.00000000
107 790.445862 -1078.46667 0.00000000E+00
108 791.250549 -1078.39417 1.00000000
109 790.362244 -1077.53772 0.00000000E+00
110 791.166931 -1077.46521 1.00000000
111 790.278625 -1076.60876 0.00000000E+00
112 790.194885 -1075.67993 0.00000000E+00
113 790.111267 -1074.75098 1.00000000
114 789.223206 -1073.89453 0.00000000E+00
115 789.139709 -1072.96558 0.00000000E+00
116 788.251770 -1072.10913 0.00000000E+00
117 788.168274 -1071.18030 1.00000000
118 787.280823 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 1
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names

UNIT 2

 INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_RODE_DFGD_03D_BRET.INP
MODEL.DAT	4	pu_rode_dfgd_03d.flx

 OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_rode_dfgd_03d_bret.lst

 CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME		Modeled Extinction by Species										
Small	Large	SSalt	YEAR DAY HR RECEPTOR COORDINATES (km) TYPE					BEXT(Model)	BEXT(BKG)	BEXT(Total)		
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)		
2002 365 23 120	785.506	-1068.610	D	0.299	23.365	23.664	1.28	0.024	0.268	0.004		
0.000	0.001	0.001	0.002	4.060	2.900	4.110						
2003 1 23 117	788.168	-1071.180	D	0.079	23.376	23.456	0.34	0.007	0.067	0.003		
0.000	0.000	0.001	0.002	4.080	2.910	4.100						
2003 2 23 81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	4.080	2.910	4.100						
2003 3 23 81	777.710	-1118.013	D	0.019	23.376	23.396	0.08	0.001	0.018	0.000		
0.000	0.000	0.000	0.000	4.080	2.910	4.100						
2003 4 23 81	777.710	-1118.013	D	0.431	23.376	23.808	1.84	0.030	0.393	0.005		
0.000	0.001	0.001	0.000	4.080	2.910	4.100						
2003 5 23 120	785.506	-1068.610	D	0.150	23.376	23.526	0.64	0.012	0.133	0.003		
0.000	0.000	0.001	0.000	4.080	2.910	4.100						
2003 6 23 81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	4.080	2.910	4.100						

2003	7	23	86	789.227	-1101.058	D	0.954	23.376	24.331	4.08	0.053	0.875	0.016
0.001	0.002	0.003	0.003	4.080	2.910	4.100							
2003	8	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	9	23	81	777.710	-1118.013	D	0.057	23.376	23.434	0.24	0.004	0.051	0.001
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	10	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	11	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	12	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	13	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	14	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	15	23	81	777.710	-1118.013	D	0.041	23.376	23.417	0.17	0.002	0.036	0.001
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	16	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	17	23	81	777.710	-1118.013	D	0.200	23.376	23.577	0.86	0.012	0.184	0.002
0.000	0.000	0.001	0.000	4.080	2.910	4.100							
2003	18	23	120	785.506	-1068.610	D	1.036	23.376	24.412	4.43	0.060	0.945	0.018
0.002	0.003	0.004	0.005	4.080	2.910	4.100							
2003	19	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	20	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	21	23	86	789.227	-1101.058	D	0.818	23.376	24.195	3.50	0.130	0.654	0.018
0.002	0.002	0.004	0.009	4.080	2.910	4.100							
2003	22	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	23	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	24	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	25	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	26	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	27	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	28	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	29	23	81	777.710	-1118.013	D	0.055	23.376	23.431	0.23	0.001	0.052	0.000
0.000	0.000	0.000	0.002	4.080	2.910	4.100							
2003	30	23	120	785.506	-1068.610	D	0.005	23.376	23.381	0.02	0.001	0.004	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	31	23	120	785.506	-1068.610	D	1.166	23.376	24.542	4.99	0.224	0.904	0.022
0.002	0.003	0.005	0.006	4.080	2.910	4.100							
2003	32	23	87	789.783	-1098.197	D	0.200	23.114	23.314	0.87	0.036	0.159	0.003
0.000	0.000	0.001	0.000	3.820	2.760	3.890							
2003	33	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	34	23	120	785.506	-1068.610	D	0.027	23.114	23.142	0.12	0.001	0.024	0.001
0.000	0.000	0.000	0.001	3.820	2.760	3.890							

2003	35	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	36	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	37	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	38	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	39	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	40	23	81	777.710	-1118.013	D	0.415	23.114	23.529	1.80	0.040	0.357	0.006
0.000	0.001	0.001	0.009	0.009	3.820	2.760	3.890						
2003	41	23	120	785.506	-1068.610	D	0.073	23.114	23.188	0.32	0.012	0.061	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	42	23	120	785.506	-1068.610	D	0.093	23.114	23.207	0.40	0.020	0.070	0.002
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	43	23	120	785.506	-1068.610	D	0.141	23.114	23.256	0.61	0.028	0.109	0.003
0.000	0.000	0.001	0.000	0.000	3.820	2.760	3.890						
2003	44	23	120	785.506	-1068.610	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	45	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	46	23	120	785.506	-1068.610	D	0.188	23.114	23.303	0.81	0.017	0.166	0.001
0.000	0.000	0.000	0.004	0.004	3.820	2.760	3.890						
2003	47	23	81	777.710	-1118.013	D	0.022	23.114	23.137	0.10	0.002	0.020	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	48	23	81	777.710	-1118.013	D	0.002	23.114	23.116	0.01	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	49	23	120	785.506	-1068.610	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	50	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	51	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	52	23	87	789.783	-1098.197	D	0.044	23.114	23.158	0.19	0.006	0.035	0.001
0.000	0.000	0.000	0.001	0.001	3.820	2.760	3.890						
2003	53	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	54	23	120	785.506	-1068.610	D	0.001	23.114	23.115	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	55	23	120	785.506	-1068.610	D	0.008	23.114	23.123	0.04	0.001	0.007	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	56	23	120	785.506	-1068.610	D	0.001	23.114	23.115	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	57	23	81	777.710	-1118.013	D	0.001	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	58	23	120	785.506	-1068.610	D	0.000	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	59	23	119	786.393	-1069.467	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	60	23	81	777.710	-1118.013	D	0.003	23.085	23.089	0.01	0.000	0.003	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	61	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	62	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						

2003	63	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	64	23	120	785.506	-1068.610	D	0.007	23.085	23.092	0.03	0.000	0.006	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	65	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	66	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	67	23	120	785.506	-1068.610	D	0.002	23.085	23.087	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	68	23	81	777.710	-1118.013	D	0.011	23.085	23.096	0.05	0.004	0.006	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	69	23	120	785.506	-1068.610	D	0.010	23.085	23.095	0.04	0.004	0.005	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	70	23	120	785.506	-1068.610	D	0.000	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	71	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	72	23	120	785.506	-1068.610	D	0.085	23.085	23.170	0.37	0.013	0.071	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	73	23	120	785.506	-1068.610	D	0.375	23.085	23.460	1.62	0.055	0.315	0.003
0.000	0.000	0.001	0.000	3.790	2.740	3.870							
2003	74	23	120	785.506	-1068.610	D	0.114	23.085	23.199	0.49	0.021	0.092	0.001
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	75	23	120	785.506	-1068.610	D	0.000	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	76	23	109	790.362	-1077.538	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	77	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	78	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	79	23	91	791.701	-1092.404	D	0.455	23.085	23.541	1.97	0.064	0.358	0.019
0.002	0.003	0.004	0.005	3.790	2.740	3.870							
2003	80	23	120	785.506	-1068.610	D	0.235	23.085	23.321	1.02	0.035	0.192	0.006
0.001	0.001	0.001	0.000	3.790	2.740	3.870							
2003	81	23	81	777.710	-1118.013	D	0.593	23.085	23.678	2.57	0.109	0.463	0.014
0.001	0.002	0.003	0.000	3.790	2.740	3.870							
2003	82	23	81	777.710	-1118.013	D	0.286	23.085	23.371	1.24	0.038	0.241	0.005
0.000	0.001	0.001	0.000	3.790	2.740	3.870							
2003	83	23	120	785.506	-1068.610	D	0.006	23.085	23.092	0.03	0.001	0.005	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	84	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	85	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	86	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	87	23	120	785.506	-1068.610	D	0.040	23.085	23.125	0.17	0.008	0.029	0.002
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	88	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	89	23	85	785.607	-1106.067	D	0.021	23.085	23.107	0.09	0.002	0.019	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	90	23	120	785.506	-1068.610	D	0.078	23.085	23.163	0.34	0.008	0.068	0.001
0.000	0.000	0.000	0.000	3.790	2.740	3.870							

2003	91	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	92	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	93	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	94	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	95	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	96	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	97	23	120	785.506	-1068.610	D	0.037	23.042	23.078	0.16	0.006	0.030	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	98	23	88	791.229	-1096.193	D	0.012	23.042	23.054	0.05	0.002	0.010	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	99	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	100	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	101	23	81	777.710	-1118.013	D	0.035	23.042	23.077	0.15	0.011	0.023	0.001
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	102	23	81	777.710	-1118.013	D	0.257	23.042	23.299	1.12	0.065	0.185	0.006
0.000	0.001	0.001	0.000	0.000	3.740	2.720	3.850						
2003	103	23	120	785.506	-1068.610	D	0.072	23.042	23.114	0.31	0.026	0.044	0.002
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	104	23	120	785.506	-1068.610	D	0.002	23.042	23.043	0.01	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	105	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	106	23	86	789.227	-1101.058	D	0.059	23.042	23.100	0.25	0.010	0.046	0.002
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	107	23	81	777.710	-1118.013	D	0.141	23.042	23.183	0.61	0.017	0.120	0.003
0.000	0.000	0.001	0.000	0.000	3.740	2.720	3.850						
2003	108	23	120	785.506	-1068.610	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	109	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	110	23	120	785.506	-1068.610	D	0.050	23.042	23.091	0.22	0.021	0.024	0.004
0.000	0.001	0.001	0.000	0.000	3.740	2.720	3.850						
2003	111	23	87	789.783	-1098.197	D	0.058	23.042	23.100	0.25	0.010	0.046	0.001
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	112	23	81	777.710	-1118.013	D	0.001	23.042	23.043	0.01	0.000	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	113	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	114	23	120	785.506	-1068.610	D	0.066	23.042	23.108	0.29	0.010	0.054	0.002
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	115	23	87	789.783	-1098.197	D	0.161	23.042	23.203	0.70	0.016	0.141	0.003
0.000	0.000	0.001	0.000	0.000	3.740	2.720	3.850						
2003	116	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	117	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						
2003	118	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.740	2.720	3.850						

2003 147 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 148 23 87	789.783 -1098.197 D	0.095	23.246	23.341	0.41	0.015	0.077	0.002
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 149 23 87	789.783 -1098.197 D	0.197	23.246	23.443	0.85	0.079	0.107	0.008
0.001 0.001 0.002	0.000 3.940 2.830 4.020							
2003 150 23 113	790.111 -1074.751 D	0.003	23.246	23.249	0.01	0.001	0.002	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 151 23 120	785.506 -1068.610 D	0.012	23.246	23.258	0.05	0.008	0.003	0.001
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 152 23 120	785.506 -1068.610 D	0.002	23.442	23.444	0.01	0.001	0.002	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 153 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 154 23 120	785.506 -1068.610 D	0.013	23.442	23.455	0.06	0.009	0.004	0.001
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 155 23 120	785.506 -1068.610 D	0.005	23.442	23.447	0.02	0.002	0.003	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 156 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 157 23 120	785.506 -1068.610 D	0.004	23.442	23.447	0.02	0.001	0.003	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 158 23 87	789.783 -1098.197 D	0.014	23.442	23.456	0.06	0.006	0.007	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 159 23 120	785.506 -1068.610 D	0.009	23.442	23.451	0.04	0.005	0.004	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 160 23 120	785.506 -1068.610 D	0.001	23.442	23.443	0.01	0.001	0.001	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 161 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 162 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 163 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 164 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 165 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 166 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 167 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 168 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 169 23 120	785.506 -1068.610 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 170 23 120	785.506 -1068.610 D	0.009	23.442	23.451	0.04	0.005	0.004	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 171 23 120	785.506 -1068.610 D	0.005	23.442	23.448	0.02	0.003	0.002	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 172 23 120	785.506 -1068.610 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 173 23 106	791.334 -1079.323 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 174 23 119	786.393 -1069.467 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							

2003 175 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 176 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 177 23 120	785.506 -1068.610 D	0.001	23.442	23.443	0.00	0.001	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 178 23 81	777.710 -1118.013 D	0.002	23.442	23.444	0.01	0.001	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 179 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 180 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 181 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 182 23 81	777.710 -1118.013 D	0.006	23.733	23.739	0.02	0.001	0.004	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 183 23 86	789.227 -1101.058 D	0.004	23.733	23.737	0.01	0.001	0.002	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 184 23 120	785.506 -1068.610 D	0.001	23.733	23.734	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 185 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 186 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 187 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 188 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 189 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 190 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 191 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 192 23 120	785.506 -1068.610 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 193 23 120	785.506 -1068.610 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 194 23 120	785.506 -1068.610 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 195 23 119	786.393 -1069.467 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 196 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 197 23 120	785.506 -1068.610 D	0.049	23.733	23.782	0.21	0.031	0.015	0.002	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 198 23 120	785.506 -1068.610 D	0.058	23.733	23.792	0.25	0.024	0.033	0.001	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 199 23 120	785.506 -1068.610 D	0.032	23.733	23.765	0.14	0.015	0.016	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 200 23 120	785.506 -1068.610 D	0.252	23.733	23.985	1.06	0.174	0.065	0.009	0.000
0.001 0.001 0.002	0.000 4.410 3.100 4.440								
2003 201 23 120	785.506 -1068.610 D	0.169	23.733	23.902	0.71	0.057	0.105	0.005	0.000
0.000 0.001 0.001	0.000 4.410 3.100 4.440								
2003 202 23 87	789.783 -1098.197 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								

2003 287 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 288 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 289 23	120	785.506 -1068.610	D	0.061	23.221	23.282	0.26	0.017	0.040	0.003	
0.000	0.000	0.001	0.000	3.920	2.820	3.990					
2003 290 23	120	785.506 -1068.610	D	0.127	23.221	23.348	0.55	0.015	0.109	0.002	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 291 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 292 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 293 23	120	785.506 -1068.610	D	0.507	23.221	23.729	2.18	0.177	0.289	0.028	
0.002	0.004	0.006	0.000	3.920	2.820	3.990					
2003 294 23	81	777.710 -1118.013	D	0.238	23.221	23.460	1.03	0.024	0.202	0.008	
0.001	0.001	0.002	0.001	3.920	2.820	3.990					
2003 295 23	87	789.783 -1098.197	D	0.080	23.221	23.302	0.35	0.005	0.072	0.002	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 296 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 297 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 298 23	120	785.506 -1068.610	D	0.001	23.221	23.222	0.00	0.000	0.001	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 299 23	81	777.710 -1118.013	D	0.126	23.221	23.347	0.54	0.018	0.106	0.001	
0.000	0.000	0.000	0.001	3.920	2.820	3.990					
2003 300 23	120	785.506 -1068.610	D	0.043	23.221	23.264	0.18	0.005	0.037	0.001	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 301 23	120	785.506 -1068.610	D	0.597	23.221	23.819	2.57	0.110	0.463	0.017	
0.001	0.002	0.004	0.000	3.920	2.820	3.990					
2003 302 23	120	785.506 -1068.610	D	0.000	23.221	23.222	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 303 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 304 23	81	777.710 -1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.920	2.820	3.990					
2003 305 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 306 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 307 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 308 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 309 23	120	785.506 -1068.610	D	0.378	23.235	23.614	1.63	0.116	0.239	0.016	
0.001	0.002	0.004	0.000	3.930	2.830	4.010					
2003 310 23	87	789.783 -1098.197	D	0.466	23.235	23.701	2.00	0.079	0.372	0.010	
0.001	0.001	0.002	0.000	3.930	2.830	4.010					
2003 311 23	87	789.783 -1098.197	D	0.012	23.235	23.248	0.05	0.002	0.010	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 312 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 313 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					
2003 314 23	81	777.710 -1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.930	2.830	4.010					

2003 315 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 316 23	120	785.506	-1068.610	D	0.096	23.235	23.331	0.41	0.006	0.086	0.002
0.000	0.000	0.000	0.001								
2003 317 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 318 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 319 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 320 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 321 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 322 23	87	789.783	-1098.197	D	0.036	23.235	23.272	0.16	0.001	0.032	0.001
0.000	0.000	0.000	0.002								
2003 323 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 324 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 325 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 326 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 327 23	120	785.506	-1068.610	D	0.018	23.235	23.253	0.08	0.000	0.016	0.000
0.000	0.000	0.000	0.002								
2003 328 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 329 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 330 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 331 23	120	785.506	-1068.610	D	0.082	23.235	23.318	0.35	0.004	0.074	0.001
0.000	0.000	0.000	0.004								
2003 332 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 333 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 334 23	120	785.506	-1068.610	D	0.056	23.235	23.292	0.24	0.011	0.043	0.002
0.000	0.000	0.000	0.000								
2003 335 23	81	777.710	-1118.013	D	0.006	23.365	23.371	0.03	0.001	0.005	0.000
0.000	0.000	0.000	0.000								
2003 336 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 337 23	81	777.710	-1118.013	D	0.125	23.365	23.489	0.53	0.018	0.103	0.002
0.000	0.000	0.000	0.000								
2003 338 23	81	777.710	-1118.013	D	0.118	23.365	23.483	0.51	0.018	0.098	0.002
0.000	0.000	0.000	0.000								
2003 339 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 340 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 341 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 342 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								

2003 343 23 120	785.506 -1068.610	D	0.171	23.365	23.536	0.73	0.012	0.144	0.007
0.001 0.001 0.002	0.004 4.060 2.900 4.110								
2003 344 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 345 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 346 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 347 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 348 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 349 23 120	785.506 -1068.610	D	0.042	23.365	23.406	0.18	0.007	0.032	0.002
0.000 0.000 0.000	0.001 4.060 2.900 4.110								
2003 350 23 81	777.710 -1118.013	D	0.001	23.365	23.366	0.01	0.000	0.001	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 351 23 120	785.506 -1068.610	D	0.255	23.365	23.620	1.09	0.024	0.218	0.008
0.001 0.001 0.002	0.001 4.060 2.900 4.110								
2003 352 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 353 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 354 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 355 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 356 23 117	788.168 -1071.180	D	0.119	23.365	23.484	0.51	0.014	0.102	0.001
0.000 0.000 0.000	0.002 4.060 2.900 4.110								
2003 357 23 104	792.307 -1081.109	D	0.027	23.365	23.392	0.12	0.002	0.024	0.000
0.000 0.000 0.000	0.001 4.060 2.900 4.110								
2003 358 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 359 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 360 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 361 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 362 23 81	777.710 -1118.013	D	0.055	23.365	23.419	0.23	0.004	0.050	0.000
0.000 0.000 0.000	0.001 4.060 2.900 4.110								
2003 363 23 88	791.229 -1096.193	D	0.001	23.365	23.366	0.00	0.000	0.001	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species									
Small Large SSalt										
YEAR DAY HR RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)			
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)
2003 31 23 120	785.506	-1068.610	D	1.166	23.376	24.542	4.99	0.224	0.904	0.022
0.002 0.003 0.005	0.006	4.080	2.910	4.100	1					
2003 18 23 120	785.506	-1068.610	D	1.036	23.376	24.412	4.43	0.060	0.945	0.018
0.002 0.003 0.004	0.005	4.080	2.910	4.100	2					
2003 7 23 86	789.227	-1101.058	D	0.954	23.376	24.331	4.08	0.053	0.875	0.016
0.001 0.002 0.003	0.003	4.080	2.910	4.100	3					
2003 21 23 86	789.227	-1101.058	D	0.818	23.376	24.195	3.50	0.130	0.654	0.018

0.002	0.002	0.004	0.009	4.080	2.910	4.100	4						
2003	301	23	120	785.506	-1068.610	D	0.597	23.221	23.819	2.57	0.110	0.463	0.017
0.001	0.002	0.004	0.000	3.920	2.820	3.990	5						
2003	81	23	81	777.710	-1118.013	D	0.593	23.085	23.678	2.57	0.109	0.463	0.014
0.001	0.002	0.003	0.000	3.790	2.740	3.870	6						
2003	293	23	120	785.506	-1068.610	D	0.507	23.221	23.729	2.18	0.177	0.289	0.028
0.002	0.004	0.006	0.000	3.920	2.820	3.990	7						
2003	310	23	87	789.783	-1098.197	D	0.466	23.235	23.701	2.00	0.079	0.372	0.010
0.001	0.001	0.002	0.000	3.930	2.830	4.010	8						
2003	79	23	91	791.701	-1092.404	D	0.455	23.085	23.541	1.97	0.064	0.358	0.019
0.002	0.003	0.004	0.005	3.790	2.740	3.870	9						
2003	4	23	81	777.710	-1118.013	D	0.431	23.376	23.808	1.84	0.030	0.393	0.005
0.000	0.001	0.001	0.000	4.080	2.910	4.100	10						
2003	40	23	81	777.710	-1118.013	D	0.415	23.114	23.529	1.80	0.040	0.357	0.006
0.000	0.001	0.001	0.009	3.820	2.760	3.890	11						
2003	309	23	120	785.506	-1068.610	D	0.378	23.235	23.614	1.63	0.116	0.239	0.016
0.001	0.002	0.004	0.000	3.930	2.830	4.010	12						
2003	73	23	120	785.506	-1068.610	D	0.375	23.085	23.460	1.62	0.055	0.315	0.003
0.000	0.000	0.001	0.000	3.790	2.740	3.870	13						
2002	365	23	120	785.506	-1068.610	D	0.299	23.365	23.664	1.28	0.024	0.268	0.004
0.000	0.001	0.001	0.002	4.060	2.900	4.110	14						
2003	82	23	81	777.710	-1118.013	D	0.286	23.085	23.371	1.24	0.038	0.241	0.005
0.000	0.001	0.001	0.000	3.790	2.740	3.870	15						
2003	102	23	81	777.710	-1118.013	D	0.257	23.042	23.299	1.12	0.065	0.185	0.006
0.000	0.001	0.001	0.000	3.740	2.720	3.850	16						
2003	351	23	120	785.506	-1068.610	D	0.255	23.365	23.620	1.09	0.024	0.218	0.008
0.001	0.001	0.002	0.001	4.060	2.900	4.110	17						
2003	200	23	120	785.506	-1068.610	D	0.252	23.733	23.985	1.06	0.174	0.065	0.009
0.001	0.001	0.002	0.000	4.410	3.100	4.440	18						
2003	294	23	81	777.710	-1118.013	D	0.238	23.221	23.460	1.03	0.024	0.202	0.008
0.001	0.001	0.002	0.001	3.920	2.820	3.990	19						
2003	80	23	120	785.506	-1068.610	D	0.235	23.085	23.321	1.02	0.035	0.192	0.006
0.001	0.001	0.001	0.000	3.790	2.740	3.870	20						
2003	32	23	87	789.783	-1098.197	D	0.200	23.114	23.314	0.87	0.036	0.159	0.003
0.000	0.000	0.001	0.000	3.820	2.760	3.890	21						
2003	17	23	81	777.710	-1118.013	D	0.200	23.376	23.577	0.86	0.012	0.184	0.002
0.000	0.000	0.001	0.000	4.080	2.910	4.100	22						

--- Number of days with Extinction Change => 5.0 % : 0
 --- Number of days with Extinction Change => 10.0 % : 0
 --- Largest Extinction Change = 4.99 %

 CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

109 790.362 -1077.538 D 0.034 23.339 23.372 0.15

--- Number of recs with Extinction Change > 1.0 % : 0

--- Largest Extinction Change = 0.15 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME

% of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2002	365	23	120	785.506 -1068.610	D	8.614	8.486	0.127	8.03	89.61	1.24	0.11	0.17	0.28	0.56	4.060	2.900	4.110
2003	1	23	117	788.168 -1071.180	D	8.525	8.491	0.034	9.04	84.19	3.28	0.28	0.74	2.01	4.080	2.910	4.100	0.46
2003	2	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	0.00
2003	3	23	81	777.710 -1118.013	D	8.500	8.491	0.008	6.71	91.45	1.23	0.11	0.28	0.05	4.080	2.910	4.100	0.17
2003	4	23	81	777.710 -1118.013	D	8.674	8.491	0.183	6.96	91.26	1.18	0.10	0.26	0.07	4.080	2.910	4.100	0.16
2003	5	23	120	785.506 -1068.610	D	8.555	8.491	0.064	8.24	88.99	1.86	0.16	0.42	0.08	4.080	2.910	4.100	0.26
2003	6	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	0.00
2003	7	23	86	789.227 -1101.058	D	8.891	8.491	0.400	5.52	91.76	1.63	0.14	0.37	0.36	4.080	2.910	4.100	0.23
2003	8	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	0.00
2003	9	23	81	777.710 -1118.013	D	8.516	8.491	0.024	7.06	89.41	1.87	0.16	0.42	0.81	4.080	2.910	4.100	0.26
2003	10	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	0.00
2003	11	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	0.00
2003	12	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	0.00

2003	13	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	14	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	15	23	81	777.710	-1118.013	D	8.509	8.491	0.017	5.57	89.34	2.68	0.23	0.38	
	0.60	1.20	4.080	2.910	4.100										
2003	16	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	17	23	81	777.710	-1118.013	D	8.577	8.491	0.085	6.17	92.04	1.21	0.10	0.17	
	0.27	0.03	4.080	2.910	4.100										
2003	18	23	120	785.506	-1068.610	D	8.925	8.491	0.434	5.80	91.18	1.74	0.15	0.24	
	0.39	0.49	4.080	2.910	4.100										
2003	19	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	20	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	21	23	86	789.227	-1101.058	D	8.836	8.491	0.344	15.90	79.91	2.15	0.19	0.30	
	0.48	1.07	4.080	2.910	4.100										
2003	22	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	23	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	24	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	25	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	26	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	27	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	28	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.080	2.910	4.100										
2003	29	23	81	777.710	-1118.013	D	8.515	8.491	0.023	1.79	95.06	0.00	0.00	0.00	0.00
	0.00	3.14	4.080	2.910	4.100										
2003	30	23	120	785.506	-1068.610	D	8.494	8.491	0.002	10.85	86.84	1.00	0.09		
	0.14	0.23	0.85	4.080	2.910	4.100									
2003	31	23	120	785.506	-1068.610	D	8.978	8.491	0.487	19.21	77.55	1.85	0.16		
	0.26	0.42	0.55	4.080	2.910	4.100									
2003	32	23	87	789.783	-1098.197	D	8.465	8.379	0.086	18.20	79.50	1.57	0.14	0.22	
	0.35	0.02	3.820	2.760	3.890										
2003	33	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890										
2003	34	23	120	785.506	-1068.610	D	8.391	8.379	0.012	3.28	87.79	2.57	0.22	0.36	
	0.58	5.20	3.820	2.760	3.890										
2003	35	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890										
2003	36	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890										
2003	37	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890										
2003	38	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890										
2003	39	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890										
2003	40	23	81	777.710	-1118.013	D	8.557	8.379	0.178	9.67	86.07	1.38	0.12	0.19	
	0.31	2.25	3.820	2.760	3.890										

2003	41	23	120	785.506	-1068.610	D	8.410	8.379	0.032	16.52	82.89	0.37	0.03
	0.05	0.08	0.05	3.820	2.760	3.890							
2003	42	23	120	785.506	-1068.610	D	8.419	8.379	0.040	21.27	75.60	2.16	0.19
	0.30	0.48	0.00	3.820	2.760	3.890							
2003	43	23	120	785.506	-1068.610	D	8.440	8.379	0.061	19.51	77.35	2.17	0.19
	0.30	0.49	0.00	3.820	2.760	3.890							
2003	44	23	120	785.506	-1068.610	D	8.379	8.379	0.000	27.81	68.12	2.53	0.21
	0.33	0.53	0.00	3.820	2.760	3.890							
2003	45	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	46	23	120	785.506	-1068.610	D	8.460	8.379	0.081	8.89	88.02	0.61	0.05
	0.14	2.21	3.820	2.760	3.890								
2003	47	23	81	777.710	-1118.013	D	8.388	8.379	0.010	7.50	89.44	1.67	0.14
	0.37	0.64	3.820	2.760	3.890								
2003	48	23	81	777.710	-1118.013	D	8.379	8.379	0.001	11.48	85.68	1.91	0.17
	0.43	0.10	3.820	2.760	3.890								
2003	49	23	120	785.506	-1068.610	D	8.379	8.379	0.000	13.17	83.86	1.86	0.15
	0.24	0.38	0.01	3.820	2.760	3.890							
2003	50	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	51	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	52	23	87	789.783	-1098.197	D	8.398	8.379	0.019	14.72	79.44	2.87	0.25
	0.64	1.68	3.820	2.760	3.890								
2003	53	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	54	23	120	785.506	-1068.610	D	8.379	8.379	0.000	9.94	87.15	1.97	0.17
	0.45	0.02	3.820	2.760	3.890								
2003	55	23	120	785.506	-1068.610	D	8.382	8.379	0.004	14.30	82.80	2.00	0.17
	0.28	0.45	0.01	3.820	2.760	3.890							
2003	56	23	120	785.506	-1068.610	D	8.379	8.379	0.000	12.22	85.61	1.45	0.12
	0.20	0.32	0.00	3.820	2.760	3.890							
2003	57	23	81	777.710	-1118.013	D	8.379	8.379	0.000	38.95	59.51	0.93	0.09
	0.22	0.02	3.820	2.760	3.890								
2003	58	23	120	785.506	-1068.610	D	8.379	8.379	0.000	49.53	49.15	0.84	0.07
	0.11	0.18	0.02	3.820	2.760	3.890							
2003	59	23	119	786.393	-1069.467	D	8.379	8.379	0.000	58.00	40.68	0.70	0.06
	0.09	0.15	0.01	3.820	2.760	3.890							
2003	60	23	81	777.710	-1118.013	D	8.368	8.366	0.001	8.03	86.73	2.02	0.17
	0.45	2.30	3.790	2.740	3.870								
2003	61	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	62	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	63	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	64	23	120	785.506	-1068.610	D	8.369	8.366	0.003	3.23	92.83	0.01	0.00
	0.00	3.92	3.790	2.740	3.870								
2003	65	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	75.00	0.00	0.00
	0.00	10.49	3.790	2.740	3.870								
2003	66	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	67	23	120	785.506	-1068.610	D	8.367	8.366	0.001	31.00	64.31	3.24	0.28
	0.45	0.73	0.00	3.790	2.740	3.870							
2003	68	23	81	777.710	-1118.013	D	8.371	8.366	0.005	36.44	58.62	3.41	0.29
	0.76	0.00	3.790	2.740	3.870								

2003	69	23	120	785.506	-1068.610	D	8.370	8.366	0.004	43.43	51.36	3.60	0.31
	0.50	0.81	0.00	3.790	2.740	3.870							
2003	70	23	120	785.506	-1068.610	D	8.366	8.366	0.000	38.31	57.61	2.82	0.25
	0.41	0.66	0.00	3.790	2.740	3.870							
2003	71	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	72	23	120	785.506	-1068.610	D	8.403	8.366	0.037	14.96	84.09	0.56	0.05
	0.08	0.13	0.14	3.790	2.740	3.870							
2003	73	23	120	785.506	-1068.610	D	8.527	8.366	0.161	14.79	84.08	0.75	0.07
	0.11	0.17	0.04	3.790	2.740	3.870							
2003	74	23	120	785.506	-1068.610	D	8.415	8.366	0.049	18.10	80.52	0.95	0.08
	0.13	0.21	0.00	3.790	2.740	3.870							
2003	75	23	120	785.506	-1068.610	D	8.366	8.366	0.000	33.65	65.06	0.70	0.06
	0.10	0.15	0.00	3.790	2.740	3.870							
2003	76	23	109	790.362	-1077.538	D	8.366	8.366	0.000	22.92	61.46	0.00	0.05
	0.08	0.13	0.00	3.790	2.740	3.870							
2003	77	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	78	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	79	23	91	791.701	-1092.404	D	8.561	8.366	0.195	14.13	78.62	4.27	0.37
	0.96	1.06	3.790	2.740	3.870								
2003	80	23	120	785.506	-1068.610	D	8.468	8.366	0.101	14.69	81.35	2.71	0.23
	0.38	0.61	0.02	3.790	2.740	3.870							
2003	81	23	81	777.710	-1118.013	D	8.620	8.366	0.254	18.47	78.06	2.39	0.21
	0.54	0.00	3.790	2.740	3.870								
2003	82	23	81	777.710	-1118.013	D	8.489	8.366	0.123	13.20	84.14	1.83	0.16
	0.41	0.00	3.790	2.740	3.870								
2003	83	23	120	785.506	-1068.610	D	8.369	8.366	0.003	17.03	80.45	1.73	0.15
	0.24	0.39	0.00	3.790	2.740	3.870							
2003	84	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	85	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	86	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	87	23	120	785.506	-1068.610	D	8.383	8.366	0.017	20.20	73.41	4.17	0.36
	0.58	0.93	0.35	3.790	2.740	3.870							
2003	88	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	89	23	85	785.607	-1106.067	D	8.375	8.366	0.009	9.88	87.95	1.49	0.13
	0.33	0.00	3.790	2.740	3.870								
2003	90	23	120	785.506	-1068.610	D	8.400	8.366	0.034	10.14	87.84	1.39	0.12
	0.19	0.31	0.00	3.790	2.740	3.870							
2003	91	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	92	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	93	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	94	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	95	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	96	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								

2003	97	23	120	785.506	-1068.610	D	8.363	8.347	0.016	16.95	82.12	0.63	0.05
	0.09	0.14	0.02	3.740	2.720	3.850							
2003	98	23	88	791.229	-1096.193	D	8.352	8.347	0.005	17.30	81.72	0.67	0.06
	0.15	0.01	3.740	2.720	3.850								0.09
2003	99	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	100	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	101	23	81	777.710	-1118.013	D	8.362	8.347	0.015	30.15	65.95	2.69	0.23
	0.38	0.60	0.00	3.740	2.720	3.850							
2003	102	23	81	777.710	-1118.013	D	8.458	8.347	0.111	25.12	71.75	2.16	0.19
	0.30	0.49	0.00	3.740	2.720	3.850							
2003	103	23	120	785.506	-1068.610	D	8.378	8.347	0.031	35.58	60.79	2.50	0.22
	0.35	0.56	0.00	3.740	2.720	3.850							
2003	104	23	120	785.506	-1068.610	D	8.348	8.347	0.001	28.36	69.18	1.70	0.15
	0.24	0.38	0.00	3.740	2.720	3.850							
2003	105	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	106	23	86	789.227	-1101.058	D	8.373	8.347	0.025	16.62	78.92	3.07	0.26
	0.43	0.69	0.00	3.740	2.720	3.850							
2003	107	23	81	777.710	-1118.013	D	8.408	8.347	0.061	12.23	84.62	2.16	0.19
	0.30	0.49	0.00	3.740	2.720	3.850							
2003	108	23	120	785.506	-1068.610	D	8.347	8.347	0.000	23.03	73.67	2.39	0.21
	0.34	0.54	0.00	3.740	2.720	3.850							
2003	109	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	110	23	120	785.506	-1068.610	D	8.369	8.347	0.022	41.67	47.64	7.27	0.63
	1.02	1.63	0.15	3.740	2.720	3.850							
2003	111	23	87	789.783	-1098.197	D	8.372	8.347	0.025	17.79	78.48	2.56	0.22
	0.36	0.58	0.02	3.740	2.720	3.850							
2003	112	23	81	777.710	-1118.013	D	8.348	8.347	0.001	16.47	80.55	2.07	0.18
	0.29	0.46	0.00	3.740	2.720	3.850							
2003	113	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	114	23	120	785.506	-1068.610	D	8.376	8.347	0.029	15.18	81.18	2.51	0.22
	0.35	0.56	0.00	3.740	2.720	3.850							
2003	115	23	87	789.783	-1098.197	D	8.417	8.347	0.070	10.01	87.42	1.77	0.15
	0.25	0.40	0.00	3.740	2.720	3.850							
2003	116	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	117	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	118	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	119	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	120	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	121	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								
2003	122	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								
2003	123	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								
2003	124	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								

2003	125	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	126	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	127	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	128	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	129	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	130	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	131	23	120	785.506	-1068.610	D	8.443	8.435	0.008	45.96	50.37	2.53	0.22		
	0.35	0.57	0.00	3.940	2.830	4.020									
2003	132	23	81	777.710	-1118.013	D	8.437	8.435	0.001	43.68	53.71	1.82	0.16		
	0.26	0.41	0.00	3.940	2.830	4.020									
2003	133	23	119	786.393	-1069.467	D	8.436	8.435	0.000	33.33	64.86	1.02	0.09		
	0.15	0.24	0.00	3.940	2.830	4.020									
2003	134	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	135	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	136	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	137	23	120	785.506	-1068.610	D	8.436	8.435	0.001	59.19	32.15	5.96	0.52		
	0.84	1.34	0.01	3.940	2.830	4.020									
2003	138	23	120	785.506	-1068.610	D	8.440	8.435	0.005	39.59	55.16	3.62	0.31		
	0.51	0.81	0.00	3.940	2.830	4.020									
2003	139	23	120	785.506	-1068.610	D	8.437	8.435	0.002	43.91	52.29	2.62	0.23		
	0.37	0.59	0.00	3.940	2.830	4.020									
2003	140	23	81	777.710	-1118.013	D	8.436	8.435	0.001	53.61	42.22	2.86	0.25		
	0.40	0.64	0.00	3.940	2.830	4.020									
2003	141	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	142	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	143	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	144	23	120	785.506	-1068.610	D	8.437	8.435	0.001	50.25	44.71	3.46	0.30		
	0.48	0.78	0.00	3.940	2.830	4.020									
2003	145	23	120	785.506	-1068.610	D	8.458	8.435	0.022	28.44	69.00	1.76	0.15		
	0.25	0.40	0.00	3.940	2.830	4.020									
2003	146	23	120	785.506	-1068.610	D	8.436	8.435	0.000	28.17	70.44	0.90	0.08		
	0.13	0.21	0.05	3.940	2.830	4.020									
2003	147	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020										
2003	148	23	87	789.783	-1098.197	D	8.476	8.435	0.041	16.11	81.40	1.71	0.15		
	0.24	0.38	0.00	3.940	2.830	4.020									
2003	149	23	87	789.783	-1098.197	D	8.520	8.435	0.084	40.15	54.28	3.84	0.33		
	0.54	0.86	0.00	3.940	2.830	4.020									
2003	150	23	113	790.111	-1074.751	D	8.437	8.435	0.001	23.73	73.44	1.94	0.17		
	0.27	0.44	0.00	3.940	2.830	4.020									
2003	151	23	120	785.506	-1068.610	D	8.441	8.435	0.005	68.14	22.16	6.69	0.58		
	0.94	1.50	0.00	3.940	2.830	4.020									
2003	152	23	120	785.506	-1068.610	D	8.520	8.519	0.001	29.40	67.15	2.37	0.21		
	0.33	0.53	0.00	4.120	2.940	4.210									

2003	153	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	154	23	120	785.506	-1068.610	D	8.525	8.519	0.006	63.25	29.44	5.03	0.43		
	0.70	1.13	0.00	4.120	2.940	4.210									
2003	155	23	120	785.506	-1068.610	D	8.522	8.519	0.002	34.29	62.19	2.43	0.21		
	0.34	0.55	0.00	4.120	2.940	4.210									
2003	156	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	157	23	120	785.506	-1068.610	D	8.521	8.519	0.002	25.56	72.73	1.17	0.10		
	0.16	0.26	0.00	4.120	2.940	4.210									
2003	158	23	87	789.783	-1098.197	D	8.525	8.519	0.006	44.13	53.57	1.59	0.14		
	0.22	0.36	0.00	4.120	2.940	4.210									
2003	159	23	120	785.506	-1068.610	D	8.523	8.519	0.004	55.65	42.12	1.54	0.13		
	0.21	0.35	0.00	4.120	2.940	4.210									
2003	160	23	120	785.506	-1068.610	D	8.520	8.519	0.001	56.42	41.75	1.23	0.10		
	0.17	0.27	0.00	4.120	2.940	4.210									
2003	161	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	162	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	163	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	164	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	165	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	166	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	167	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	168	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	169	23	120	785.506	-1068.610	D	8.519	8.519	0.000	64.58	38.54	0.00	0.01		
	0.01	0.02	0.00	4.120	2.940	4.210									
2003	170	23	120	785.506	-1068.610	D	8.523	8.519	0.004	57.00	41.55	1.00	0.09		
	0.14	0.23	0.00	4.120	2.940	4.210									
2003	171	23	120	785.506	-1068.610	D	8.522	8.519	0.002	54.72	43.98	0.89	0.08		
	0.13	0.20	0.00	4.120	2.940	4.210									
2003	172	23	120	785.506	-1068.610	D	8.520	8.519	0.000	70.80	27.81	0.68	0.05		
	0.09	0.14	0.00	4.120	2.940	4.210									
2003	173	23	106	791.334	-1079.323	D	8.519	8.519	0.000	78.57	14.29	0.00	0.02		
	0.03	0.05	0.00	4.120	2.940	4.210									
2003	174	23	119	786.393	-1069.467	D	8.519	8.519	0.000	70.83	12.50	0.00	0.02		
	0.02	0.04	0.00	4.120	2.940	4.210									
2003	175	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	176	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	177	23	120	785.506	-1068.610	D	8.520	8.519	0.000	84.84	14.86	0.17	0.02		
	0.02	0.04	0.05	4.120	2.940	4.210									
2003	178	23	81	777.710	-1118.013	D	8.520	8.519	0.001	74.27	25.27	0.30	0.03		
	0.04	0.07	0.02	4.120	2.940	4.210									
2003	179	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	180	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										

2003	181	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.120	2.940	4.210				
2003	182	23	81	777.710	-1118.013	D	8.645	8.643	0.002	20.29	77.41	1.59	0.14		
				0.22	0.36				0.01	4.410	3.100	4.440			
2003	183	23	86	789.227	-1101.058	D	8.644	8.643	0.001	34.36	62.62	2.08	0.18		
				0.29	0.47				0.00	4.410	3.100	4.440			
2003	184	23	120	785.506	-1068.610	D	8.643	8.643	0.000	35.69	62.06	1.67	0.14		
				0.23	0.37				0.00	4.410	3.100	4.440			
2003	185	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	186	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	187	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	188	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	189	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	190	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	191	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	192	23	120	785.506	-1068.610	D	8.643	8.643	0.000	96.68	2.73	0.78	0.07		
				0.11	0.18				0.05	4.410	3.100	4.440			
2003	193	23	120	785.506	-1068.610	D	8.643	8.643	0.000	83.01	16.23	0.55	0.05		
				0.08	0.12				0.00	4.410	3.100	4.440			
2003	194	23	120	785.506	-1068.610	D	8.643	8.643	0.000	44.22	55.17	0.27	0.03		
				0.05	0.08				0.00	4.410	3.100	4.440			
2003	195	23	119	786.393	-1069.467	D	8.643	8.643	0.000	37.50	12.50	0.00	0.02		
				0.03	0.05				0.00	4.410	3.100	4.440			
2003	196	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	197	23	120	785.506	-1068.610	D	8.663	8.643	0.021	62.92	30.62	4.44	0.38		
				0.62	1.00				0.01	4.410	3.100	4.440			
2003	198	23	120	785.506	-1068.610	D	8.667	8.643	0.025	40.31	57.25	1.68	0.15		
				0.23	0.38				0.01	4.410	3.100	4.440			
2003	199	23	120	785.506	-1068.610	D	8.656	8.643	0.014	47.48	51.05	1.01	0.09		
				0.14	0.23				0.00	4.410	3.100	4.440			
2003	200	23	120	785.506	-1068.610	D	8.748	8.643	0.106	69.10	25.87	3.42	0.30		
				0.48	0.77				0.08	4.410	3.100	4.440			
2003	201	23	120	785.506	-1068.610	D	8.714	8.643	0.071	33.76	62.19	2.79	0.24		
				0.39	0.63				0.01	4.410	3.100	4.440			
2003	202	23	87	789.783	-1098.197	D	8.643	8.643	0.000	71.88	23.44	2.08	0.14		
				0.22	0.35				0.00	4.410	3.100	4.440			
2003	203	23	120	785.506	-1068.610	D	8.647	8.643	0.004	11.36	88.21	0.21	0.02		
				0.03	0.05				0.12	4.410	3.100	4.440			
2003	204	23	120	785.506	-1068.610	D	8.667	8.643	0.024	18.20	81.14	0.38	0.03		
				0.05	0.08				0.11	4.410	3.100	4.440			
2003	205	23	120	785.506	-1068.610	D	8.646	8.643	0.003	39.20	59.41	0.95	0.08		
				0.13	0.21				0.00	4.410	3.100	4.440			
2003	206	23	120	785.506	-1068.610	D	8.643	8.643	0.000	41.81	56.99	0.98	0.08		
				0.12	0.20				0.00	4.410	3.100	4.440			
2003	207	23	120	785.506	-1068.610	D	8.643	8.643	0.000	54.25	44.12	1.00	0.09		
				0.14	0.23				0.00	4.410	3.100	4.440			
2003	208	23	120	785.506	-1068.610	D	8.643	8.643	0.001	38.72	56.74	3.16	0.27		
				0.44	0.71				0.00	4.410	3.100	4.440			

2003	209	23	120	785.506	-1068.610	D	8.652	8.643	0.009	43.45	51.34	3.59	0.31
	0.50	0.81	0.00	4.410	3.100	4.440							
2003	210	23	120	785.506	-1068.610	D	8.643	8.643	0.000	18.83	80.50	0.33	0.04
	0.06	0.09	0.00	4.410	3.100	4.440							
2003	211	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								
2003	212	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								
2003	213	23	120	785.506	-1068.610	D	8.622	8.622	0.000	57.91	36.72	3.65	0.32
	0.51	0.82	0.01	4.370	3.070	4.380							
2003	214	23	120	785.506	-1068.610	D	8.622	8.622	0.000	42.86	51.79	0.00	0.05
	0.08	0.13	0.00	4.370	3.070	4.380							
2003	215	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	216	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	217	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	218	23	120	785.506	-1068.610	D	8.640	8.622	0.018	28.08	67.85	2.74	0.24
	0.38	0.62	0.10	4.370	3.070	4.380							
2003	219	23	81	777.710	-1118.013	D	8.639	8.622	0.017	27.77	68.17	2.75	0.24
	0.39	0.62	0.06	4.370	3.070	4.380							
2003	220	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	221	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	222	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	223	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	224	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	225	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	226	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	227	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	228	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	229	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	230	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	231	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	232	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	233	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	234	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	235	23	119	786.393	-1069.467	D	8.622	8.622	0.000	100.00	6.25	0.00	0.41
	0.67	1.07	0.00	4.370	3.070	4.380							
2003	236	23	111	790.279	-1076.609	D	8.622	8.622	0.000	50.00	0.00	0.00	0.20
	0.33	0.52	0.00	4.370	3.070	4.380							

2003	237	23	112	790.195	-1075.680	D	8.622	8.622	0.000	75.00	12.50	4.17	0.30
	0.48	0.77	0.00	4.370	3.070	4.380							
2003	238	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	239	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	240	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	241	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	242	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	243	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	244	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	245	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	246	23	120	785.506	-1068.610	D	8.543	8.541	0.001	45.57	51.95	1.65	0.14
	0.23	0.37	0.06	4.180	2.970	4.230							
2003	247	23	87	789.783	-1098.197	D	8.541	8.541	0.000	29.17	70.69	0.56	0.05
	0.08	0.13	0.04	4.180	2.970	4.230							
2003	248	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	249	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	250	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	251	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	252	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	253	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	254	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	255	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	256	23	120	785.506	-1068.610	D	8.542	8.541	0.000	80.50	19.18	0.17	0.01
	0.02	0.03	0.03	4.180	2.970	4.230							
2003	257	23	87	789.783	-1098.197	D	8.541	8.541	0.000	37.17	62.50	0.00	0.01
	0.01	0.02	0.01	4.180	2.970	4.230							
2003	258	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	259	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	260	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	261	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	262	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	263	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.180	2.970	4.230								
2003	264	23	81	777.710	-1118.013	D	8.543	8.541	0.001	64.90	29.04	2.25	0.19
	0.31	0.50	2.83	4.180	2.970	4.230							

2003 265 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 266 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 267 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 268 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 269 23 120	785.506 -1068.610	D	8.545	8.541	0.003	34.69	61.62	2.54	0.22		
0.36 0.57 0.00	4.180 2.970 4.230										
2003 270 23 120	785.506 -1068.610	D	8.553	8.541	0.012	26.77	70.42	1.94	0.17		
0.27 0.44 0.00	4.180 2.970 4.230										
2003 271 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 272 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 273 23 81	777.710 -1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180	2.970 4.230										
2003 274 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 275 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 276 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 277 23 120	785.506 -1068.610	D	8.425	8.425	0.000	48.46	45.70	4.10	0.36		
0.59 0.94 0.00	3.920 2.820 3.990										
2003 278 23 120	785.506 -1068.610	D	8.425	8.425	0.000	63.18	30.22	4.48	0.39		
0.62 1.00 0.00	3.920 2.820 3.990										
2003 279 23 120	785.506 -1068.610	D	8.425	8.425	0.000	47.92	47.02	3.42	0.29		
0.47 0.75 0.00	3.920 2.820 3.990										
2003 280 23 88	791.229 -1096.193	D	8.425	8.425	0.000	18.75	34.38	0.00	0.13		
0.21 0.34 0.00	3.920 2.820 3.990										
2003 281 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 282 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 283 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 284 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 285 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 286 23 120	785.506 -1068.610	D	8.454	8.425	0.029	64.72	24.60	6.91	0.60		
0.97 1.55 0.66	3.920 2.820 3.990										
2003 287 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 288 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 289 23 120	785.506 -1068.610	D	8.451	8.425	0.026	27.41	66.22	4.32	0.37		
0.60 0.97 0.10	3.920 2.820 3.990										
2003 290 23 120	785.506 -1068.610	D	8.479	8.425	0.054	11.75	86.08	1.45	0.12		
0.20 0.32 0.07	3.920 2.820 3.990										
2003 291 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										
2003 292 23 81	777.710 -1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920	2.820 3.990										

2003	293	23	120	785.506	-1068.610	D	8.641	8.425	0.216	34.93	57.00	5.52	0.48
				0.77	1.24	0.07	3.920	2.820	3.990				
2003	294	23	81	777.710	-1118.013	D	8.527	8.425	0.102	10.05	84.72	3.18	0.27
				0.45	0.71	0.61	3.920	2.820	3.990				
2003	295	23	87	789.783	-1098.197	D	8.459	8.425	0.034	6.68	90.14	2.15	0.19
				0.48	0.07	3.920	2.820	3.990					
2003	296	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	297	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	298	23	120	785.506	-1068.610	D	8.425	8.425	0.000	13.02	85.52	0.48	0.04
				0.06	0.10	0.63	3.920	2.820	3.990				
2003	299	23	81	777.710	-1118.013	D	8.479	8.425	0.054	14.54	84.04	0.59	0.05
				0.08	0.13	0.58	3.920	2.820	3.990				
2003	300	23	120	785.506	-1068.610	D	8.443	8.425	0.018	11.75	85.21	2.08	0.18
				0.29	0.47	0.03	3.920	2.820	3.990				
2003	301	23	120	785.506	-1068.610	D	8.679	8.425	0.254	18.40	77.45	2.86	0.25
				0.40	0.64	0.01	3.920	2.820	3.990				
2003	302	23	120	785.506	-1068.610	D	8.425	8.425	0.000	13.42	84.02	1.42	0.13
				0.21	0.34	0.00	3.920	2.820	3.990				
2003	303	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	304	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	305	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	306	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	307	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	308	23	81	777.710	-1118.013	D	8.431	8.431	0.000	27.24	65.95	5.13	0.43
				0.70	1.12	0.01	3.930	2.830	4.010				
2003	309	23	120	785.506	-1068.610	D	8.592	8.431	0.162	30.73	63.07	4.28	0.37
				0.60	0.96	0.01	3.930	2.830	4.010				
2003	310	23	87	789.783	-1098.197	D	8.629	8.431	0.198	17.01	79.94	2.09	0.18
				0.29	0.47	0.01	3.930	2.830	4.010				
2003	311	23	87	789.783	-1098.197	D	8.436	8.431	0.005	15.63	82.45	1.32	0.11
				0.18	0.30	0.01	3.930	2.830	4.010				
2003	312	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	313	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	314	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	315	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	316	23	120	785.506	-1068.610	D	8.472	8.431	0.041	5.93	90.14	2.13	0.18
				0.30	0.48	0.84	3.930	2.830	4.010				
2003	317	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	318	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	319	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	320	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					

2003 321 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 322 23 87	789.783 -1098.197	D	8.446	8.431	0.016	1.85	87.06	3.27	0.28	0.46	
0.73 6.35 3.930 2.830 4.010											
2003 323 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 324 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 325 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 326 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 327 23 120	785.506 -1068.610	D	8.439	8.431	0.008	0.22	88.39	0.00	0.00		
0.00 0.00 11.39 3.930 2.830 4.010											
2003 328 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 329 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 330 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 331 23 120	785.506 -1068.610	D	8.466	8.431	0.035	4.73	89.49	0.62	0.05		
0.09 0.14 4.88 3.930 2.830 4.010											
2003 332 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 333 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 3.930 2.830 4.010											
2003 334 23 120	785.506 -1068.610	D	8.455	8.431	0.024	19.23	76.18	3.17	0.27		
0.44 0.71 0.00 3.930 2.830 4.010											
2003 335 23 81	777.710 -1118.013	D	8.489	8.486	0.003	14.69	82.01	2.26	0.20		
0.32 0.51 0.00 4.060 2.900 4.110											
2003 336 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 337 23 81	777.710 -1118.013	D	8.540	8.486	0.053	14.79	82.69	1.61	0.14		
0.23 0.36 0.18 4.060 2.900 4.110											
2003 338 23 81	777.710 -1118.013	D	8.537	8.486	0.051	15.02	82.42	1.62	0.14		
0.23 0.36 0.20 4.060 2.900 4.110											
2003 339 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 340 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 341 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 342 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 343 23 120	785.506 -1068.610	D	8.559	8.486	0.073	7.16	84.45	4.07	0.35		
0.57 0.91 2.48 4.060 2.900 4.110											
2003 344 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 345 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 346 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 347 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											
2003 348 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	
0.00 0.00 4.060 2.900 4.110											

2003	349	23	120	785.506	-1068.610	D	8.504	8.486	0.018	15.89	75.91	4.26	0.37
0.60	0.96	2.02	4.060	2.900	4.110								
2003	350	23	81	777.710	-1118.013	D	8.487	8.486	0.001	7.46	89.96	1.72	0.15 0.24
0.38	0.12	4.060	2.900	4.110									
2003	351	23	120	785.506	-1068.610	D	8.595	8.486	0.109	9.59	85.53	3.06	0.26
0.43	0.69	0.44	4.060	2.900	4.110								
2003	352	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	353	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	354	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	355	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	356	23	117	788.168	-1071.180	D	8.537	8.486	0.051	11.53	85.38	0.90	0.08
0.13	0.20	1.79	4.060	2.900	4.110								
2003	357	23	104	792.307	-1081.109	D	8.498	8.486	0.012	9.07	88.39	0.32	0.03
0.05	0.07	2.08	4.060	2.900	4.110								
2003	358	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	359	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	360	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	361	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00 0.00
0.00	0.00	4.060	2.900	4.110									
2003	362	23	81	777.710	-1118.013	D	8.510	8.486	0.023	6.93	91.26	0.03	0.00 0.00
0.01	1.77	4.060	2.900	4.110									
2003	363	23	88	791.229	-1096.193	D	8.487	8.486	0.000	0.33	97.89	0.00	0.00 0.00
0.00	1.76	4.060	2.900	4.110									

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species												
Small Large SSalt													
YEAR DAY HR RECEPTOR	COORDINATES (km)					TYPE	DV(Total)	DV(BKG)	DELTA	DV	%_SO4		
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)					
2003	31	23	120	785.506	-1068.610	D	8.978	8.491	0.487	19.21	77.55	1.85	0.16
0.26	0.42	0.55	4.080	2.910	4.100	1							
2003	18	23	120	785.506	-1068.610	D	8.925	8.491	0.434	5.80	91.18	1.74	0.15 0.24
0.39	0.49	4.080	2.910	4.100	2								
2003	7	23	86	789.227	-1101.058	D	8.891	8.491	0.400	5.52	91.76	1.63	0.14 0.23
0.37	0.36	4.080	2.910	4.100	3								
2003	21	23	86	789.227	-1101.058	D	8.836	8.491	0.344	15.90	79.91	2.15	0.19 0.30
0.48	1.07	4.080	2.910	4.100	4								
2003	301	23	120	785.506	-1068.610	D	8.679	8.425	0.254	18.40	77.45	2.86	0.25
0.40	0.64	0.01	3.920	2.820	3.990	5							
2003	81	23	81	777.710	-1118.013	D	8.620	8.366	0.254	18.47	78.06	2.39	0.21 0.33
0.54	0.00	3.790	2.740	3.870	6								
2003	293	23	120	785.506	-1068.610	D	8.641	8.425	0.216	34.93	57.00	5.52	0.48
0.77	1.24	0.07	3.920	2.820	3.990	7							
2003	310	23	87	789.783	-1098.197	D	8.629	8.431	0.198	17.01	79.94	2.09	0.18
0.29	0.47	0.01	3.930	2.830	4.010	8							
2003	79	23	91	791.701	-1092.404	D	8.561	8.366	0.195	14.13	78.62	4.27	0.37 0.60
0.96	1.06	3.790	2.740	3.870	9								
2003	4	23	81	777.710	-1118.013	D	8.674	8.491	0.183	6.96	91.26	1.18	0.10 0.16

0.26	0.07	4.080	2.910	4.100	10									
2003	40	23	81	777.710	-1118.013	D	8.557	8.379	0.178	9.67	86.07	1.38	0.12	0.19
0.31	2.25	3.820	2.760	3.890	11									
2003	309	23	120	785.506	-1068.610	D	8.592	8.431	0.162	30.73	63.07	4.28	0.37	
0.60	0.96	0.01	3.930	2.830	4.010	12								
2003	73	23	120	785.506	-1068.610	D	8.527	8.366	0.161	14.79	84.08	0.75	0.07	
0.11	0.17	0.04	3.790	2.740	3.870	13								
2002	365	23	120	785.506	-1068.610	D	8.614	8.486	0.127	8.03	89.61	1.24	0.11	
0.17	0.28	0.56	4.060	2.900	4.110	14								
2003	82	23	81	777.710	-1118.013	D	8.489	8.366	0.123	13.20	84.14	1.83	0.16	0.26
0.41	0.00	3.790	2.740	3.870	15									
2003	102	23	81	777.710	-1118.013	D	8.458	8.347	0.111	25.12	71.75	2.16	0.19	
0.30	0.49	0.00	3.740	2.720	3.850	16								
2003	351	23	120	785.506	-1068.610	D	8.595	8.486	0.109	9.59	85.53	3.06	0.26	
0.43	0.69	0.44	4.060	2.900	4.110	17								
2003	200	23	120	785.506	-1068.610	D	8.748	8.643	0.106	69.10	25.87	3.42	0.30	
0.48	0.77	0.08	4.410	3.100	4.440	18								
2003	294	23	81	777.710	-1118.013	D	8.527	8.425	0.102	10.05	84.72	3.18	0.27	
0.45	0.71	0.61	3.920	2.820	3.990	19								
2003	80	23	120	785.506	-1068.610	D	8.468	8.366	0.101	14.69	81.35	2.71	0.23	
0.38	0.61	0.02	3.790	2.740	3.870	20								
2003	32	23	87	789.783	-1098.197	D	8.465	8.379	0.086	18.20	79.50	1.57	0.14	0.22
0.35	0.02	3.820	2.760	3.890	21									
2003	17	23	81	777.710	-1118.013	D	8.577	8.491	0.085	6.17	92.04	1.21	0.10	0.17
0.27	0.03	4.080	2.910	4.100	22									

--- Number of days with Delta-Deciview => 0.50: 0
 --- Number of days with Delta-Deciview => 1.00: 0
 --- Largest Delta-Deciview = 0.487

 CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV
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111	790.279 -1076.609	D	8.490	8.475	0.015
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--- Number of recs with Delta-Deciview > 0.10: 0
 --- Largest Delta-Deciview = 0.015